

REMARKS

Reconsideration of the application is respectfully requested in view of the following remarks. Claims 1-34 are currently pending.

Claims 15, 19, and 20 stand objected to by the Office Action. In regard to claim 15, the Office Action indicates that the term "correlate" in lines 17 and 19 should be changed to "correlation." The Office Action further indicates that the same comment applies to claims 19 and 20. Applicant notes that the term "correlate" is used throughout the specification. For example, Figure 3A and page 18, line 19 to page 20, line 13 of the specification describe the calculation of a correlate in graphical form according to the definition of a correlate. Another example of a portion of the specification that discusses the term "correlate" can be found in Figures 3C-3E and page 25, line 17 to page 27, line 9 which describe exemplary calculations of a correlate in graphical form in accordance with several embodiments of the present invention. In view of the foregoing, Applicant respectfully submits that it is not necessary to amend claims 15, 19, and 20 in the manner suggested by the Office Action. Applicant respectfully requests withdrawal of the objections to claims 15, 19, and 20.

Also in regard to claim 20, the Office Action requests clarification of the phrase "adjusting less than all second order terms of said plurality of second order terms" found in lines 6-7. Applicant refers the Examiner to page 32, line 1 to page 33, line 18 of the specification that describes an exemplary calculation of a correlate in accordance with an embodiment of the invention in which not all of the second order terms used in calculation of a correlate need to be adjusted when incrementing from a first offset to a second offset. In the described example, when the offset is incremented, only one new second order term needs to be calculated, as the other terms are already available from a previous offset and may be reused.

Claim 30 stands rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,587,500 to Persson et al. ("Persson") in view of U.S. Patent No. 6,424,673 to Chen et al. ("Chen"). Applicant respectfully submits that Persson is not properly-citable art under the provisions of 35 U.S.C. 103(c) (See MPEP 706.02(l)(1) and MPEP 706.02(l)(2)). Applicant respectfully submits that Persson and the present application were, at the invention was made, owned by or subject to an obligation of assignment to Telefonaktiebolaget LM Ericsson.

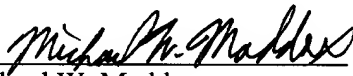
Therefore, Applicant respectfully submits that Persson cannot preclude patentability under 35 U.S.C. 103 and requests that the 35 U.S.C. 103(a) rejection of claim 30 be withdrawn.

Claims 1-29 have been allowed. Claims 31-34 stand objected to as being dependent upon a rejected base claim, but are indicated to be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicant wishes to thank the Examiner for the allowance of claims 1-29 and the indication of allowable subject matter with respect to claims 31-34.

In view of the above, each of the presently-pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to pass this application to issue.

Dated: January 22, 2004

Respectfully submitted,

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